

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp	
L13	10	("4361188" "4665991" "5101904" "5238070" "5343963" "5490564" "5518073" "5984014" "6230807" "6321847").PN.	USPAT	OR	ON	2005/12/08 08:59	i
L14	5	L13 and shear	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 09:10	nac
L15	1	L13 and (disk or disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 09:29	nac
L16	7	L13 and compress\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 09:29	nac
S1	1725	(166/373,386,332.3,319,321).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/07 09:49	
S2	976	S1 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:52	
S3	842	S2 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:52	
S4	164	S3 and nitrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:52	

S5	81	S4 and gas adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:52	
S6	103	S3 and (gas adj chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:53	nac
S7	81	S6 and nitrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 17:31	nac
S8	4630114	(well or wellbore or well adj bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:54	
S9	3108	S8 and (piston same (gas adj chamber))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:54	
S10	2011	S8 and (piston with (gas adj chamber))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:55	
S11	1427	S10 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:55	
S13	416	S11 and nitrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:56	

S14	398	S13 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/01 15:56
S15	10	("4361188" "4665991" "5101904" "5238070" "5343963" "5490564" "5518073" "5984014" "6230807" "6321847").PN.	USPAT	OR	ON	2005/12/01 17:38
S16	8	S15 and piston and spring	USPAT	OR	ON	2005/12/01 17:38
S17	1725	(166/373,386,332.3,319,321).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/05 15:15
S18	976	S17 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:15
S19	842	S18 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:15
S20	103	S19 and (gas adj chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 15:15
S21	280367	spring same piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:31
S22	87594	S21 and lock\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:31

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S23	50295	S22 and (well or wellbore or well adj bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32
S24	865	S23 and gas adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32
S25	1725	(166/373,386,332.3,319,321).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/06 08:32
S26	976	S25 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32
S27	842	S26 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32
S28	103	S27 and (gas adj chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32
S29	63	S28 and lock\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32
S30	54	S29 and differential	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:32

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S31	21	S30 and mechanical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 09:18	
S32	32	S28 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 09:22	nal
S33	336	S26 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 09:22	
S34	130	S33 and latch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 09:22	
S35	17	S34 and gas adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 09:39	nal
S36	10	("4361188" "4665991" "5101904" "5238070" "5343963" "5490564" "5518073" "5984014" "6230807" "6321847").PN.	USPAT	OR	ON	2005/12/06 09:39	
S37	3	S36 and piston and (gas adj chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 10:19	nal
S38	2333	spring and (well or wellbore or well adj bore) and gas and decompress\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 10:19	
S39	1735	S38 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 10:19	

S40	13	S39 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 10:28	<i>nac</i>
S43	954	S25 and (spring same pressure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 10:29	
S44	18	S43 and decompress\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 10:29	<i>nac</i>
S45	110	S28 or S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 15:04	
S47	32	S45 and ratchet\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 08:59	<i>nac</i>
S48	15	S47 and collet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 15:29	<i>nac</i>
S49	33	S45 and collet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 16:30	<i>nac</i>
S50	265	floating adj piston same gas adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 16:31	

S51	12	S50 and collet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 17:02	<i>nac</i>
S52	6194	piston same gas adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 17:02	
S53	84	S52 and collet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 17:03	<i>nac</i>
S54	6194	piston same gas adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:52	
S55	416	S54 and (collet or latch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:52	
S56	318	S55 and (well or wellbore or well adj bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:52	
S57	2176	piston same gas adj chamber same spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:53	
S58	222	S57 and (collet or latch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:53	

S59	169	S58 and (well or wellbore or well adj bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:54	
S60	140	S59 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 09:54	
S61	7	("4423782" "4633952" "5209303" "5482119").PN. OR ("5984014").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 10:11	
S62	10	("4361188" "4665991" "5101904" "5238070" "5343963" "5490564" "5518073" "5984014" "6230807" "6321847").PN.	USPAT	OR	ON	2005/12/07 12:33	
S63	10	S62 and piston	USPAT	OR	ON	2005/12/07 12:34	nac
S64	1	("4896722").PN.	USPAT	OR	OFF	2005/12/07 14:18	nac
S65	4	((("4,422,506") or ("4,429,748") or ("4,489,786") or ("4,515,219"))).PN.	USPAT	OR	OFF	2005/12/07 14:23	nac
S66	69	S54 and collet and actuat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 14:23	nac